| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|--|---|---------------------|---------|------------------|
| L1 | 25 | shutter with pixel with (timing with time) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:17 |
| L2 | 360 | shutter with (Icd or crystal) with (timing or time) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:18 |
| L3 | 1456 | shutter with (element) with (timing or time) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:18 |
| L4 | 136 | shutter with (element) with ((timing or time) near4 period) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:19 |
| L5 | 2 | shutter with (address\$4) with ((timing or time) near4 period) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:20 |
| L6 | 35 | shutter with (address\$4) with ((timing or time)) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:21 |
| L7 | | shutter near4 (address\$4) with ((timing or time)) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:24 |
| L8 | 24 | shutter near4 (address\$4) same ((timing or time)) with expos\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/11/25 12:25 |

| L9 | 13 | shutter near4 (address\$4) same ((timing or time)) with expos\$4 with shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/11/25 12:29 |
|-----|-------|--|---|------|------|------------------|
| L10 | 13848 | ((timing or time)) with expos\$4 with shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:29 |
| L11 | 102 | (((timing or time)) near4 greater) with expos\$4 with shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:30 |
| L12 | 102 | (((timing or time)) near4 greater) with expos\$4 with shutters | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:30 |
| L13 | 4 | (((timing or time)) near4 greater) with expos\$4 with shutters | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:31 |
| L14 | 1 | (((timing or time)) near4 greater) with expos\$4 with (shutter near2 element) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2005/11/25 12:32 |
| L15 | 13332 | expos\$4 with time with shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:33 |
| L16 | 1330 | expos\$4 with time and (lcd or crystal) near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:33 |

| L17 | 425 | (expos\$4 with time with shutter) and (lcd or crystal) near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:33 |
|-----|------|--|---|------|-----|------------------|
| L18 | 21 | (expos\$4 with time with shutters) and (lcd or crystal) near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | OFF | 2005/11/25 12:35 |
| L19 | . 1 | (expos\$4 with time with first with second with shutters) and (lcd or crystal) near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:36 |
| L20 | 27 | (expos\$4 with time with first with second with shutters) and (lcd or crystal) near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:36 |
| L21 | 27 | (expos\$4 with time with first with second with shutter) and (lcd or crystal) near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:44 |
| L22 | 40 | (expos\$4 with time with first with second with shutters) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:45 |
| L23 | 302 | (expos\$4 with time) and (first with second with shutters) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:45 |
| L24 | 1842 | (expos\$4 with time) and ((first near4 shutter) with (second near4 shutter)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:46 |

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|-----|-----|--|---|----|-----|------------------|
| L25 | 455 | (expos\$4 with time) same ((first near4 shutter) with (second near4 shutter)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:46 |
| L26 | 234 | (expos\$4 with time) same ((first near2 shutter) with (second near2 shutter)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:46 |
| L27 | 186 | (expos\$4 with time) same ((first adj2 shutter) with (second adj2 shutter)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:47 |
| L28 | 1 | (expos\$4 with time) same ((first adj2 shutter) with (second adj2 shutter)) and (address\$4 with shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:48 |
| L29 | 280 | (expos\$4 with time) and (address\$4 with shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:49 |
| L30 | 103 | (expos\$4 with time with (long\$2 or greater or less or more or short\$2)) and (address\$4 with shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:50 |
| L31 | 48 | (expos\$4 with time with (long\$2 or greater or less or more or short\$2)) with shutter and (address\$4 with shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 12:52 |
| L32 | 0 | (expos\$4 with time with (long\$2 or greater or less or more or short\$2)) with shutters and (address\$4 with shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:52 |

| L33 | 9 | (expos\$4 with time with shutters) and (address\$4 with shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:55 |
|-----|-----|--|---|------|-----|------------------|
| L34 | 706 | (expos\$4 with time with shutters) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:55 |
| L35 | 34 | (expos\$4 with (time near4 period) with shutters) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 12:59 |
| L36 | 706 | (expos\$4 with (time) with shutters) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 13:00 |
| L37 | 9 | (expos\$4 with (time) with shutters) with pattern | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 13:01 |
| L38 | 14 | (expos\$4 with (time) with shutters) same ((expos\$4 or shutter) with pattern) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 13:02 |
| L39 | 58 | (expos\$4 with (time) with shutters) and ((expos\$4 or shutter) with pattern) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR · | OFF | 2005/11/25 13:09 |
| L40 | 14 | (expos\$4 with (time) with shutters) same ((expos\$4 or shutter) with pattern) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/25 13:10 |

| L41 | 12738 | (first and second) with (expos\$4 with (time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 13:11 |
|-----|-------|---|---|------|----|------------------|
| L42 | 1557 | (first and second) with (expos\$4 with (time near4 period)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 13:11 |
| L43 | 126 | (first and second) with (expos\$4 with (time near4 period)) with shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 13:12 |
| L44 | 3179、 | (expos\$4 with (first and second)near4 (time)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 13:13 |
| L45 | 282 | (expos\$4 with (first and second)near4 (time)) with shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2005/11/25 13:15 |
| L46 | 79 | (expos\$4 with (first and second)near4 (time)) with (first and second) near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 13:15 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|---|---|---------------------|---------|------------------|
| L1 | 39258 | exposure near4 pattern | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 09:39 |
| L2 | 2699 | exposure near4 pattern and (shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 09:39 |
| L3 | . 14 | exposure near4 pattern and (address\$4 near4 shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 09:41 |
| L4 | 29 | shutter near4 pattern and (address\$4 near4 shutter) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:17 |
| L5 | 196 | nematic near4 shutter | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:17 |
| L6 | 53 | nematic near4 shutter with polar\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:24 |
| L7 | 19 | nematic near4 shutter with polar\$7 and (orthogonal or perpendicular) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:28 |
| L8 | 1450 | shutter with polar\$7 and (orthogonal or perpendicular) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:28 |

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|-----|------|--|---|---------|----|------------------|
| L9 | 177 | shutter with polar\$7 with (orthogonal or perpendicular) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:30 |
| L10 | 3 | shutter with polar\$7 with (orthogonal or perpendicular) with address\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:31 |
| L11 | 873 | shutter with address\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:31 |
| L12 | 12 | shutter with address\$4 with polar\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:34 |
| L13 | 6 | shutter with address\$4 with orthogonal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR , | ON | 2005/11/25 10:38 |
| L14 | 2104 | shutter with polar\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:38 |
| L15 | . 26 | shutter with polar\$4 with pixel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/25 10:38 |